

DATE: 25 November 2021
DESIGNER: Niall Beggan
PROJECT No: 2746
PROJECT NAME: Social Housing Bundle 3, Shangan Road, Dublin

**LIGHTING
REALITY**

Designed to:
P4
Eav - 5 to 7.5 lux
Emin - 1 lux
6m Columns
0 degree inclination
4000K

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Local Origin at 715715911.50m x 739580092.71m
Grid Origin 106.0m x 100.0m
Area 321.0m x 192.2m
Sample Spacing 1.49m x 1.49m

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 16 OSLO N SQUARE GIANT@480mA
Lamp(s)	16 OSLO SQUARE GIANT@480mA NW 740 230V
LampFlux(klm)/Colour	3.38 NW 4000K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIANT T 480mA NW 740 25.1W 429102 Integrat...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	18

Luminaire B Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5293 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO SQUARE GIANT@700mA NW 740 230V
LampFlux(klm)/Colour	4.76 NW 4000K/70
File Name	AXIA 3.1 5293 16 OSLO SQUARE GIANT T 700mA NW 740 35.6W 439822 Integrat...
Maintenance Factor	0.81
Imax70,80,90(cd/klm)	617.9, 19.7, 0.0
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	378.40	205.99	6.00	80.00	0.00	0.00	0.45			
2	B	357.02	208.39	6.00	80.00	0.00	0.00	0.45			
3	B	329.00	212.69	6.00	77.00	0.00	0.00	0.45			
4	B	301.63	217.86	6.00	72.00	0.00	0.00	0.45			
5	A	291.81	202.26	6.00	166.00	0.00	0.00	0.45			
6	A	289.11	182.66	6.00	168.00	0.00	0.00	0.45			
7	A	269.27	168.87	6.00	79.00	0.00	0.00	0.45			
8	A	308.70	155.86	6.00	80.00	0.00	0.00	0.45			
9	A	365.62	147.39	6.00	80.00	0.00	0.00	0.45			
10	A	340.21	161.47	6.00	258.00	0.00	0.00	0.45			
11	A	297.01	167.69	6.00	257.00	0.00	0.00	0.45			
12	A	235.23	174.54	6.00	77.00	0.00	0.00	0.45			
13	A	202.79	174.57	6.00	103.00	0.00	0.00	0.45			
14	A	167.16	167.08	6.00	89.00	0.00	0.00	0.45			
15	A	127.31	166.80	6.00	92.00	0.00	0.00	0.45			
16	A	275.78	224.00	6.00	67.00	0.00	0.00	0.45			
17	A	247.55	233.30	8.00	59.00	0.00	0.00	0.45			
18	A	380.00	188.34	6.00	343.00	0.00	0.00	0.45			
19	A	405.16	143.19	6.00	63.00	0.00	0.00	0.45			
20	A	400.70	165.73	6.00	243.00	0.00	0.00	0.45			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	380.75	163.74	6.00	0.00	0.00	0.00	0.45			
22	A	395.69	201.42	6.00	64.00	0.00	0.00	0.45			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	6.39
Emin	1.28
Emax	15.28
Emin/Emax	0.08
Emin/Eav	0.20